

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

12/21/2011

Elle Rackemann  
Assistant District Attorney, Suffolk County

Dear ADA Rackemann,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Della Saunders was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

#### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- \*Maintenance and repairs of all analytical instruments.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Notary Public.

2001 – 2003

#### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)  
GLP/GMP training with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC and GC/MS trainings with Agilent Technologies and Restek.  
HPLC and LC/MS/MS trainings with Waters Cooperation.  
FTIR training with Spectros.  
TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Della Saunders

**Education:**

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

**Experience:**

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

**Training:**

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, V.A.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts



## **DRUG RECEIPT**

**CC #** \_\_\_\_\_

BOOK # 66

PAGE # 58

**DESTRUCTION #** \_\_\_\_\_

District/Unit D - 4 DCU

Name & Rank of Arresting Officer Sgt. Det. Keenan ID# 10652

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer Det. Lt. C. ID# 11995

Received by ELW Date 10/27/10

ECU Control # \_\_\_\_\_

No. [REDACTED] Date Analyzed: 01-19-11

City: Boston D.C.U. Police Dept.

Officer: P.O. KEITH BUTLER

Def: [REDACTED]

*400g*  
Subst: SUB

Amount:

No. Cont: 1 Cont: pb

Date Rec'd: 10/27/2010

No. Analyzed:

Gross Wt.: 1.47

*0.08g*  
Net Weight:

# Tests: 7 *28*

*2950*



Prelim: COCAINE

Findings: COCAINE

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY Boston DCSANALYST AS

No. of samples tested: \_\_\_\_\_

Balance VOK 1/14/11

Evidence Wt. 1.4818

Mettler 1117461624

**PHYSICAL DESCRIPTION:**

Off-white chunky substance contained  
loose in one clear sealed, initialed plastic bag

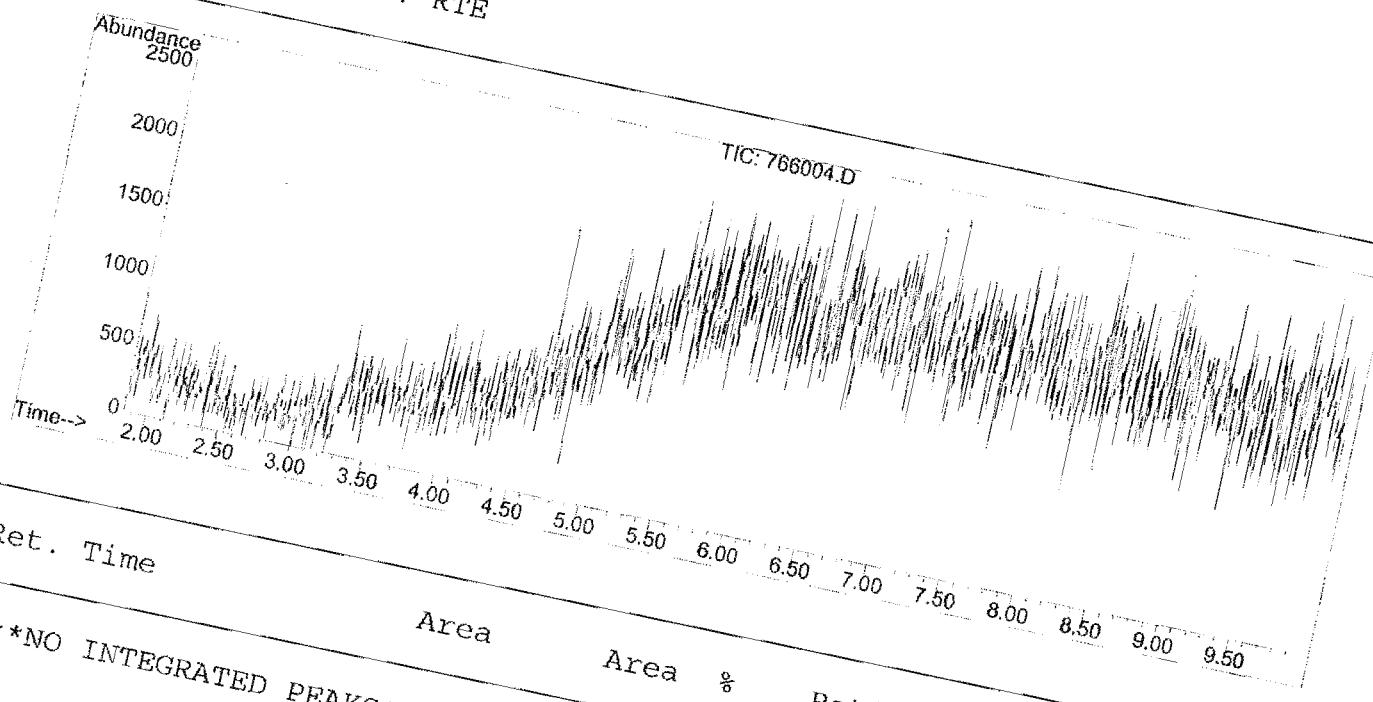
Gross Wt ( ): \_\_\_\_\_

Gross Wt ( ): 1.4818Pkg. Wt: 1.3980Net Wt: 0.0838**PRELIMINARY TESTS**Spot TestsCobalt Thiocyanate (Hg) +Marquis -Froehde's -Mecke's -Microcrystalline TestsGold Chloride -TLTA (Hg) +OTHER TESTS**PRELIMINARY TEST RESULTS**RESULTS COCAINEDATE 1/14/10GC/MS CONFIRMATORY TESTRESULTS COCAINEMS OPERATOR ASDDATE 1/19/11

Area Percent / Library Search Report

Information from Data File:  
File Name : D:\SYSTEM4\01\_18\_11\766004.D  
Operator : ASD  
Date Acquired : 18 Jan 2011 12:39  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ASD  
12-21-11



766004.D

Tue Dec 20 10:47:01 2011

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Folk\_OIG\_PRR\_029076

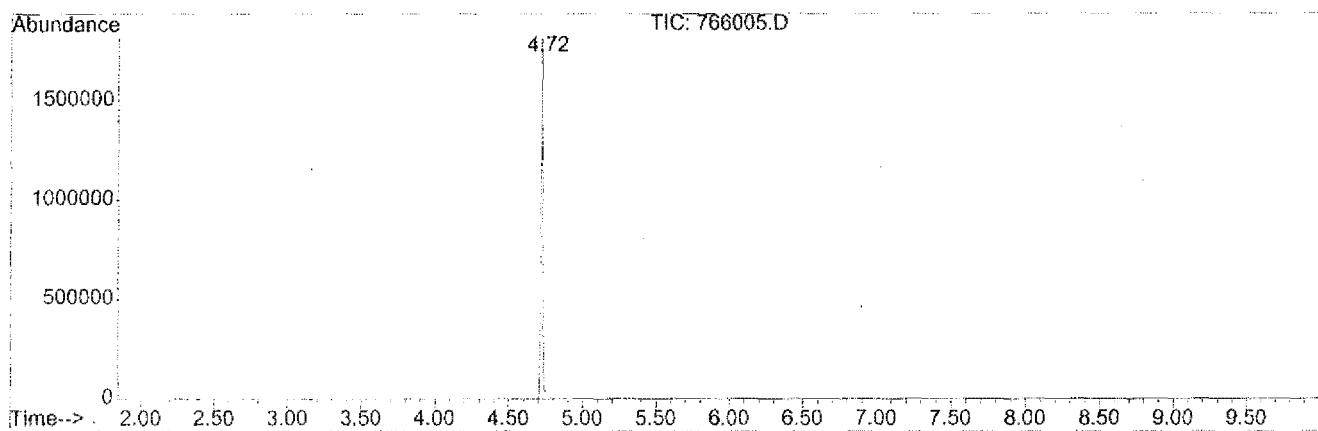
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Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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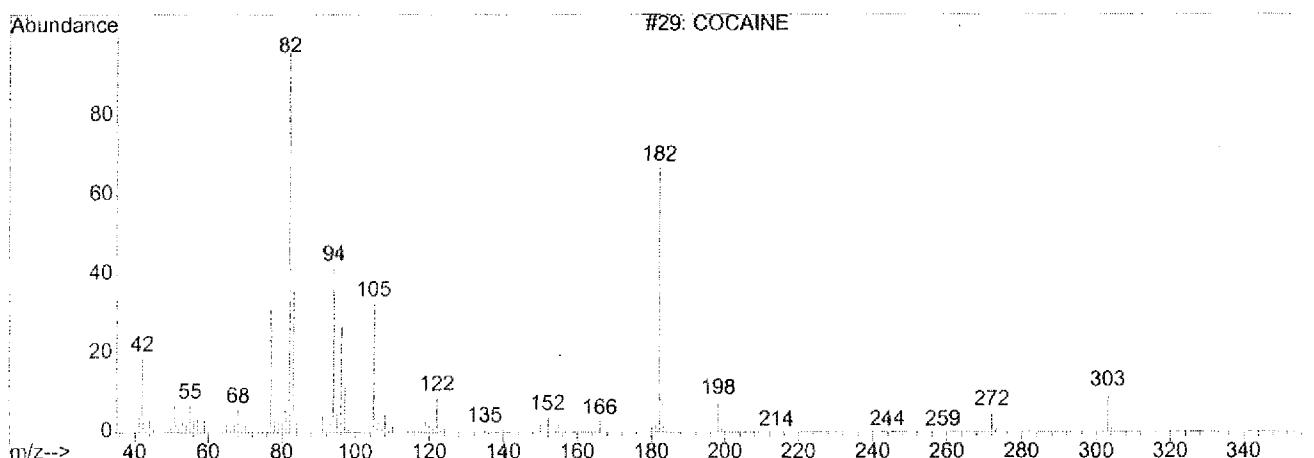
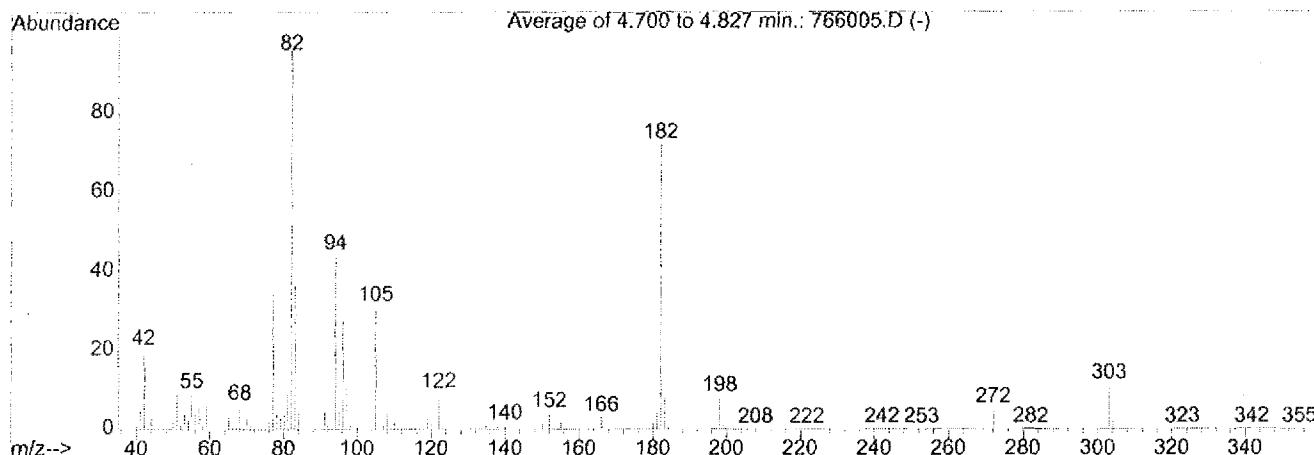
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Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

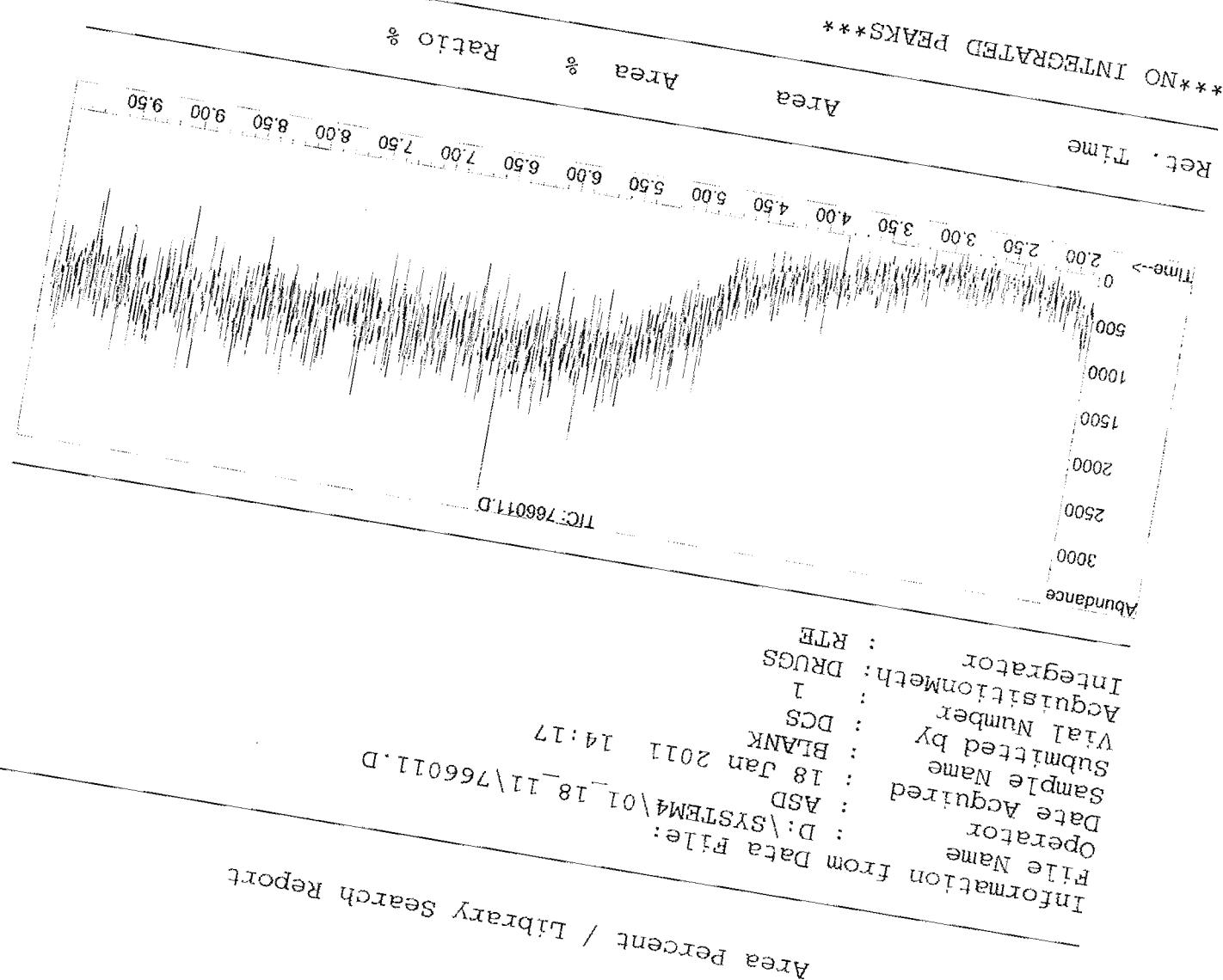
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766011.D

Tue Dec 20 10:47:13 2011

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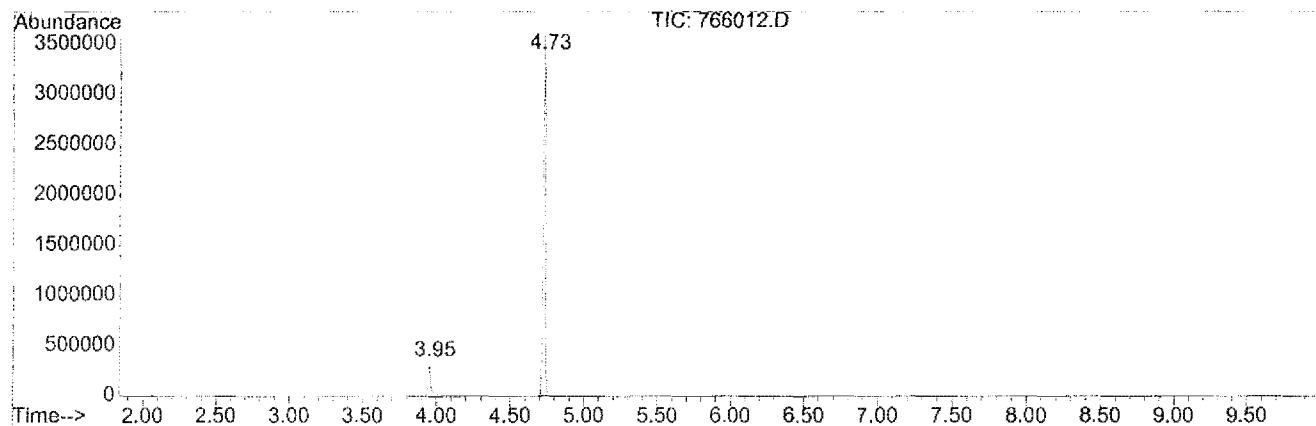
Area Percent / Library Search Report

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Information from Data File:

File Name : D:\SYSTEM4\01\_18\_11\766012.D  
Operator : ASD  
Date Acquired : 18 Jan 2011 14:31  
Sample Name : [REDACTED]  
Submitted by : DCS  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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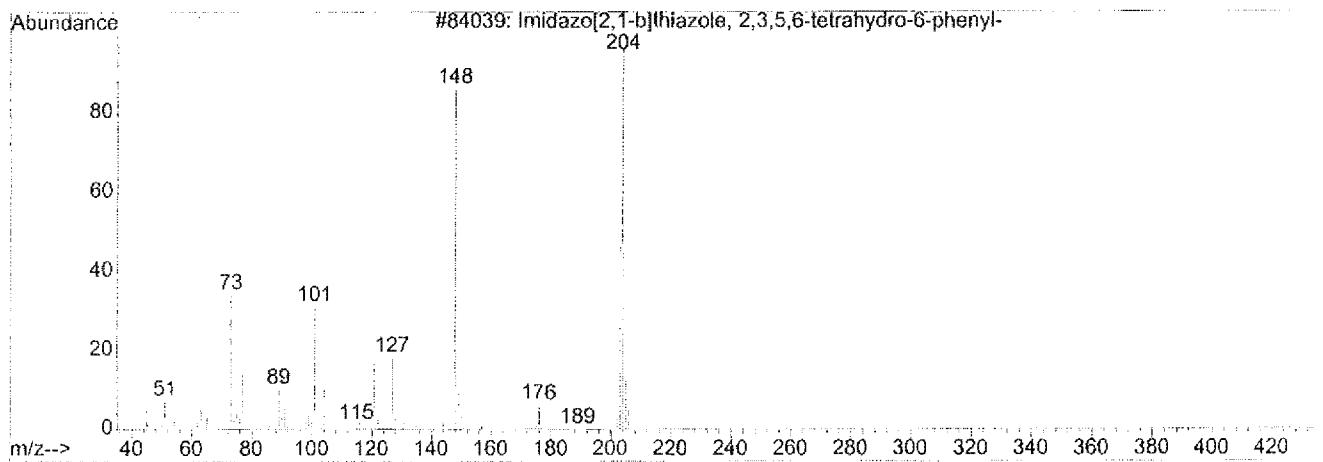
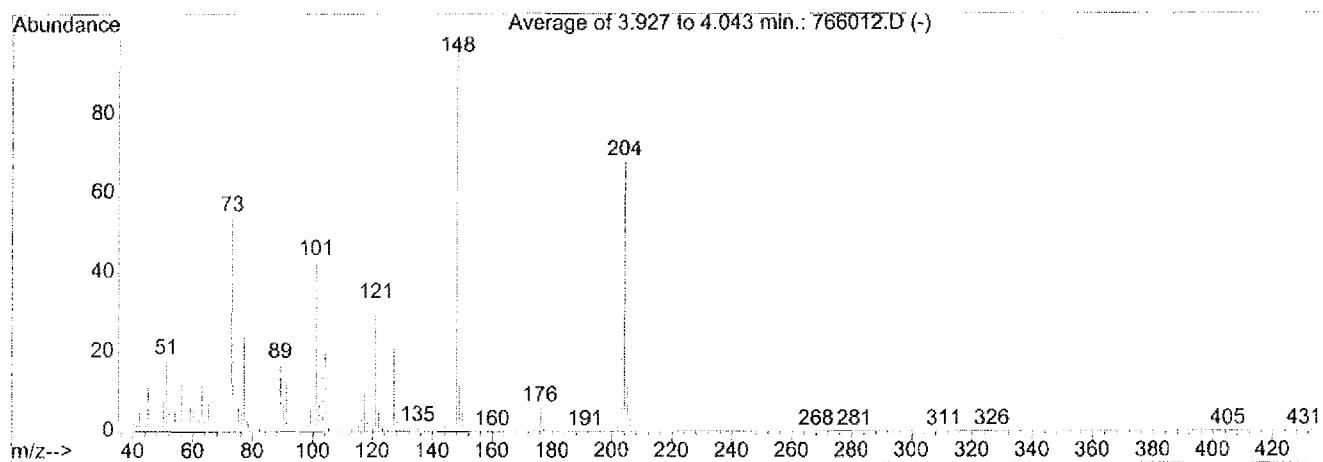
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Date Acquired : 18 Jan 2011 14:31  
Sample Name : XXXXXXXXXX  
Submitted by : DCS  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
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# Area Percent / Library Search Report

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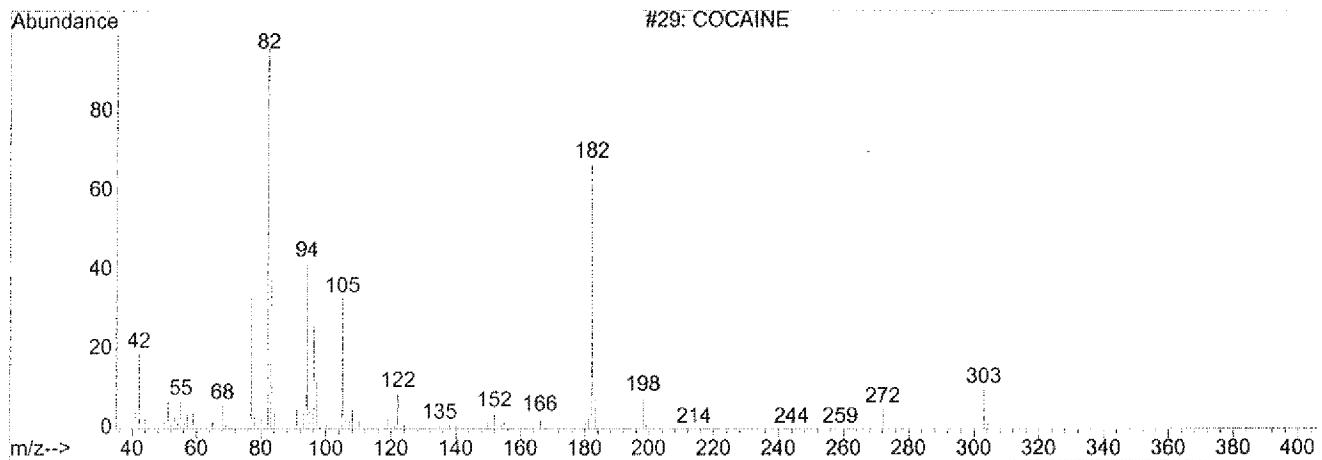
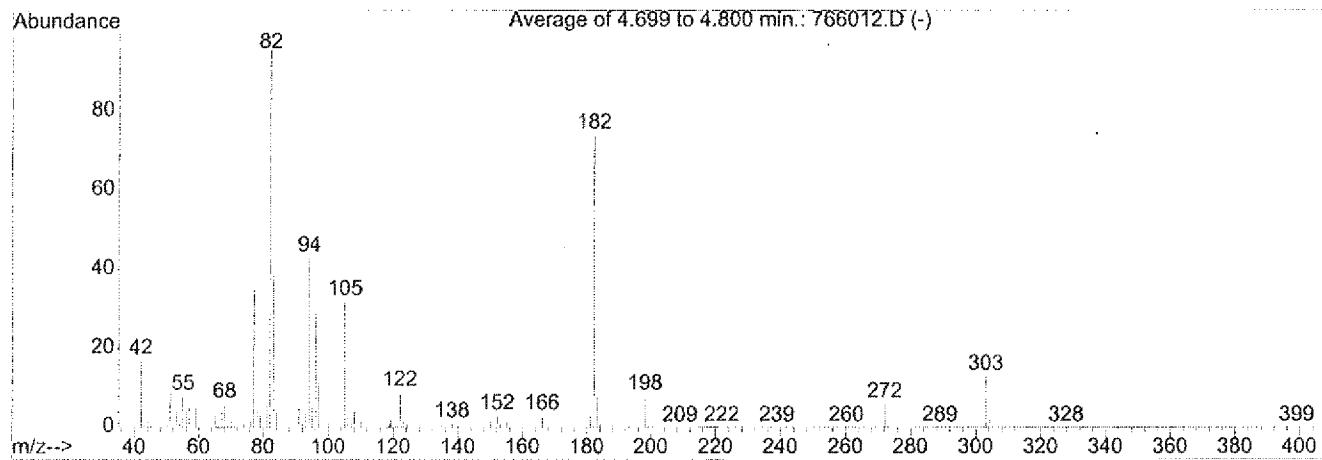
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Submitted by : DCS  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

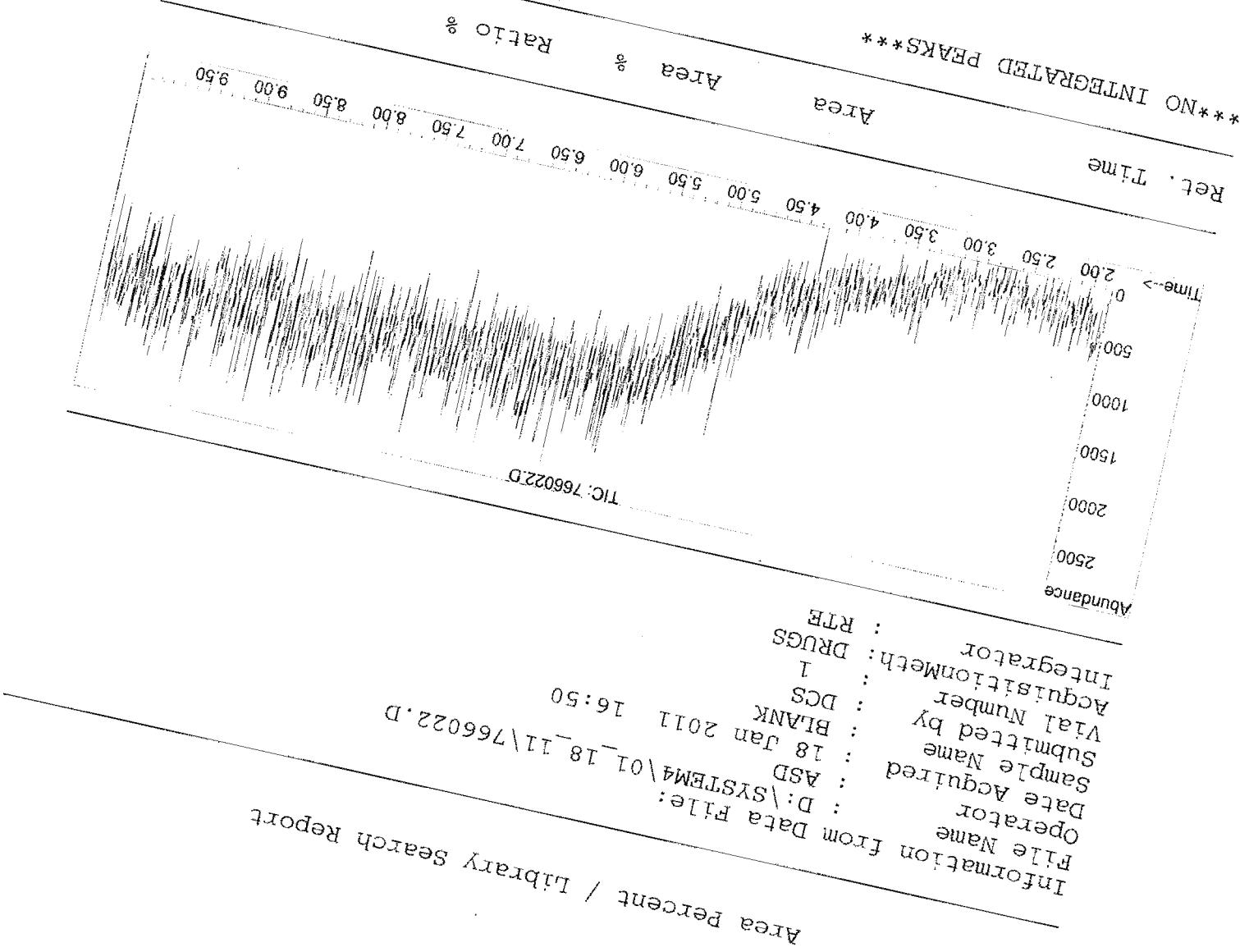
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766022.D

Tue Dec 20 10:47:27 2011

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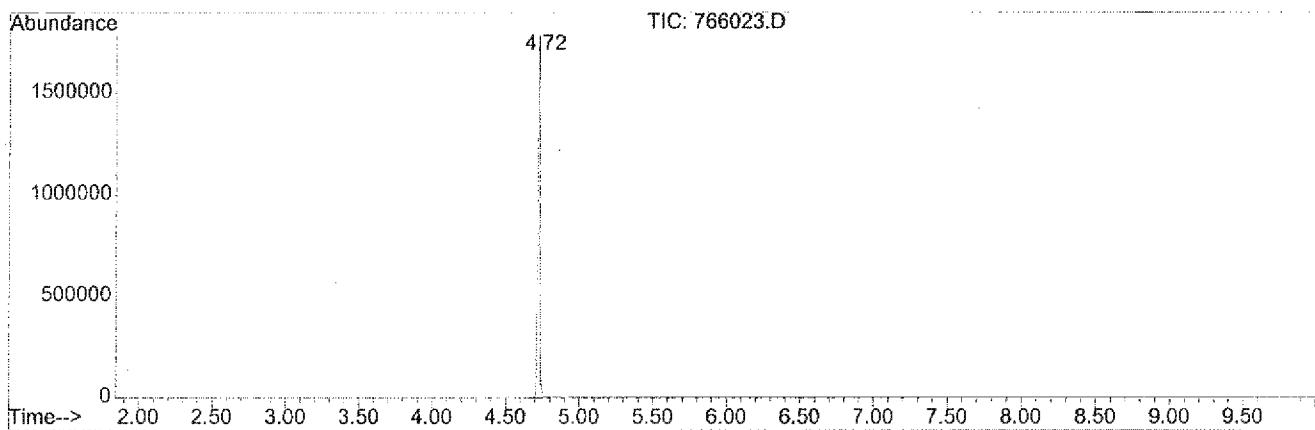
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Date Acquired : 18 Jan 2011 17:03  
Sample Name : COCAINE STD  
Submitted by : DCS  
Vial Number : 23  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\01\_18\_11\766023.D  
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Date Acquired : 18 Jan 2011 17:03  
Sample Name : COCAINE STD  
Submitted by : DCS  
Vial Number : 23  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

